Procedimiento de re apuntado de Replicats K2V versión 6

Objetivo: Abastecer mediante Oracle Golden Gate for Bid Data el Apache Kafka de K2V versión 6 desde la base IBS Argentina Productiva, deteniendo el actual proceso de OGGForBD que la abastece desde OCI.

Pasos a realizar:

0-Tomar info de los EXTSEQNO y EXTRBA de los procesos actuales en onpremise.

1-Detener OGG EXTRACT para Argentina en OCI

2-Detener OGGForBD REPLICAT para Argentina en OCI

3-Agregar 15 nuevo procesos de REPLICAT en OGGForBD Onmpremise.

4-Setear hora de inico de los 15 nuevos procesos de REPLICAT en OGGForBD Onmpremise.

5-Iniciar los 15 nuevos procesos de REPLICAT en OGGForBD Onmpremise.

6-Check de funcionamiento y validaciones del team de K2V.

Detalles de ambientes:

-OCI

|  |
| --- |
| Server: 172.29.164.11 rgbisdbdvm59704-qbwx92  User: ggatek2vAR  Path OGG extract: /u01/app/ggate\_K2V\_AR/OGG  Path OGG Replicat: /u01/app/ggate\_K2V\_AR/OGG19ForBD |

-Onpremise:

|  |
| --- |
| Server: 172.22.167.14 rdp3dbadm01  User: ggatek2v  Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD |

Detalles de las tareas.

0-Tomar el actual extseqno y extrba de todos los procesos de replicat ompremise, estos valores serán los punto de inicio para los próximos replicats que agregaremos.

Por ejemplo para RCADDRESS:

REPLICAT RCADDRES Last Started 2020-10-03 11:56 Status RUNNING

Checkpoint Lag 00:00:00 (updated 00:00:02 ago)

Process ID 52632

Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ad000143 🡪 extseqno 143

2020-10-05 16:54:23.000179 RBA 39030552 🡪 extrba 39030552

Server: 172.22.167.14 rdp3dbadm01

User: ggatek2v

Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD

Cd /u01/app/ggate\_K2V/OGGForBD

./ggsci

Ejecutar el commando info \*

|  |
| --- |
| GGSCI (rdp3dbadm01.dtvpan.com) 1> info \*  REPLICAT KRCFVALU Last Started 2020-10-05 14:46 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:01 ago)  Process ID 385858  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/cf000449  2020-10-05 16:54:24.000102 RBA 10507048  REPLICAT RCADDRES Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 52632  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ad000143  2020-10-05 16:54:23.000179 RBA 39030552  REPLICAT RCAGRDET Last Started 2020-10-04 00:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:00 ago)  Process ID 396078  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/at020011  2020-10-05 16:54:26.046989 RBA 19730349  REPLICAT RCAGREEM Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:07 ago)  Process ID 52634  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ag000100  2020-10-05 16:54:16.055360 RBA 13371816  REPLICAT RCCONTAC Last Started 2020-10-04 00:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 396081  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/co002280  2020-10-05 16:54:24.004901 RBA 21859944  REPLICAT RCCRECAR Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:01 ago)  Process ID 52636  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/cc000061  2020-10-05 16:54:14.053466 RBA 1033674  REPLICAT RCCUSFIE Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:01 ago)  Process ID 52637  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/cf000449  2020-10-05 16:54:24.000102 RBA 10507048  REPLICAT RCCUSTOM Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:03 ago)  Process ID 52638  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/cu000217  2020-10-05 16:54:24.000129 RBA 71008924  REPLICAT RCDEVAGD Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 52639  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/da000191  2020-10-05 16:54:24.036909 RBA 14368004  REPLICAT RCFINACC Last Started 2020-10-04 01:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 310644  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/fa058842  2020-10-05 16:54:24.000245 RBA 25901688  REPLICAT RCINVOIC Last Started 2020-10-04 00:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:00 ago)  Process ID 396086  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/in013799  2020-10-05 16:54:26.006115 RBA 13637080  REPLICAT RCKEYWOR Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:03 ago)  Process ID 52642  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/kw000203  2020-10-05 16:54:23.000168 RBA 35240814  REPLICAT RCOFFER Last Started 2020-10-04 00:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:03 ago)  Process ID 396089  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/of001395  2020-10-05 16:54:23.023867 RBA 31964145  REPLICAT RCORDEVE Last Started 2020-10-04 00:09 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:03 ago)  Process ID 396092  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/oe000067  2020-10-05 16:54:11.060231 RBA 3181851  REPLICAT RCSUHIST Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:03 ago)  Process ID 52644  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/su000425  2020-10-05 16:54:23.000107 RBA 19565193  REPLICAT RCWORORD Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 52645  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/wo000432  2020-10-05 16:54:23.000132 RBA 24131783  REPLICAT RCWOSERV Last Started 2020-10-03 11:56 Status RUNNING  Checkpoint Lag 00:00:00 (updated 00:00:02 ago)  Process ID 52646  Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ws000073  2020-10-05 16:54:22.049536 RBA 14610658 |

1-Detener OGG EXTRACT para Argentina en OCI

Ingresar al server

Server: 172.29.164.11 rgbisdbdvm59704-qbwx92

User: ggatek2vAR

Path OGG extract: /u01/app/ggate\_K2V\_AR/OGG

Ingresar a la consola de OGG y detener el extract

./ggsci

Ejecutar el comando stop:

GGSCI (rgbisdbdvm59704-qbwx92) 2> stop XCARG

2-Detener OGGForBD REPLICAT para Argentina en OCI

Ingresar al server

Server: 172.29.164.11 rgbisdbdvm59704-qbwx92

User: ggatek2vAR

Path OGG extract: /u01/app/ggate\_K2V\_AR/OGG19ForBD

Ingresar a la consola de OGGForBD y detener los replicats:

./ggsci

Ejecutar el comando

GGSCI (rgbisdbdvm59704-qbwx92) 2> stop \*

Se tienen que detener todos estos replicats

|  |
| --- |
| GGSCI (rgbisdbdvm59704-qbwx92) 2> info all  Program Status Group Lag at Chkpt Time Since Chkpt  MANAGER RUNNING  JAGENT RUNNING  PMSRVR STOPPED  REPLICAT RUNNING RADDR 00:00:00 00:00:00  REPLICAT RUNNING RAGRDET 00:00:00 00:00:00  REPLICAT RUNNING RAGREE 00:00:00 00:00:00  REPLICAT RUNNING RCCARD 00:00:00 00:00:00  REPLICAT STOPPED RCFVALUE 00:00:00 01:47:25  REPLICAT RUNNING RCONTACT 00:00:00 00:00:00  REPLICAT RUNNING RCUSTOM 00:00:00 00:00:00  REPLICAT RUNNING RDAGDET 00:00:00 00:00:00  REPLICAT RUNNING RDEVICE 00:00:00 00:00:00  REPLICAT RUNNING RFACC 00:00:00 00:00:00  REPLICAT RUNNING RINVOICE 00:00:00 00:00:00  REPLICAT RUNNING RKWRD 00:00:00 00:00:00  REPLICAT RUNNING ROFFER 00:00:00 00:00:00  REPLICAT RUNNING RORDEV 00:00:00 00:00:00  REPLICAT RUNNING RSUHIST 00:00:00 00:00:00  REPLICAT RUNNING RWITEM 00:00:00 00:00:00  REPLICAT RUNNING RWORDER 00:00:00 00:00:00 |

NOTA: el grupo RCFVALUE ya está detenido porque se uso de prueba durante el dia.

3-Agregar 15 nuevo procesos de REPLICAT en OGGForBD Onmpremise.

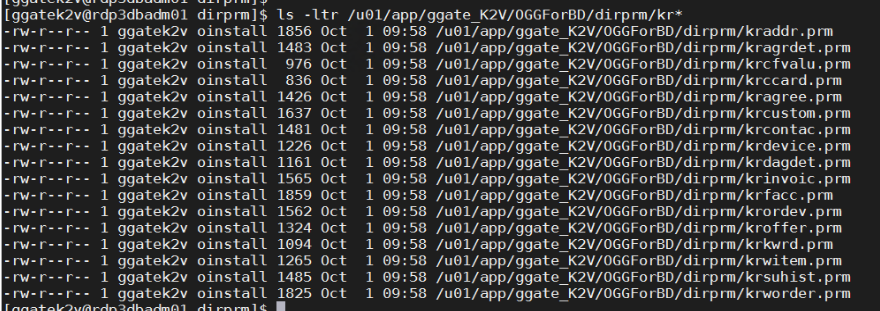
Agregar los siguientes grupos de replicas en el OGGForBD Onmpremise

Server: 172.22.167.14 rdp3dbadm01

User: ggatek2v

Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD

NOTA : Todos los files kc\*.prm ya están creado en el directorio dirprm



cd /u01/app/ggate\_K2V/OGGForBD/

./ggsci

add replicat KRADDR exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/ad

add replicat KRCONTAC exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/co

add replicat KRAGRDET exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/at

--add replicat KRCFVALU exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/cf Ya esta agregado

add replicat KRCCARD exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/cc

add replicat KRAGREE exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/ag

add replicat KRCUSTOM exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/cu

add replicat KRDAGDET exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/da

add replicat KRINVOIC exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/in

add replicat KRFACC exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/fa

add replicat KRORDEV exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/oe

add replicat KROFFER exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/of

add replicat KRKWRD exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/kw

add replicat KRSUHIST exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/su

add replicat KRWORDER exttrail /u01/app/ggate\_K2V/OGGForBD/dirdat/wo

4-Setear hora de inico de los 15 nuevos procesos de REPLICAT en OGGForBD Onmpremise.

Donde para cada replicat debemos poner el extseqno y extrba que tomamos en el paso 0

Por ejemplo para KRADDR (que usa el file dirdat/ad ) según la info obtenida en el paso 0 seria:

Info del paso 0:

REPLICAT RCADDRES Last Started 2020-10-03 11:56 Status RUNNING

Checkpoint Lag 00:00:00 (updated 00:00:02 ago)

Process ID 52632

Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ad000143

2020-10-05 16:54:23.000179 RBA 39030552

Comando:

alter replicat KRADDR , extseqno 143, extrba 39030552

Server: 172.22.167.14 rdp3dbadm01

User: ggatek2v

Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD

cd /u01/app/ggate\_K2V/OGGForBD/

./ggsci

alter replicat KRADDR , extseqno xxxxxx, extrba xxxxx

alter replicat KRCONTAC, extseqno xxxxxx, extrba xxxxx

alter replicat KRAGRDET, extseqno xxxxxx, extrba xxxxx

--alter replicat KRCFVALU ,extseqno xxxxxx, extrba xxxxx

alter replicat KRCCARD , extseqno xxxxxx, extrba xxxxx

alter replicat KRAGREE, extseqno xxxxxx, extrba xxxxx

alter replicat KRCUSTOM, extseqno xxxxxx, extrba xxxxx

alter replicat KRDAGDET, extseqno xxxxxx, extrba xxxxx

alter replicat KRINVOIC, extseqno xxxxxx, extrba xxxxx

alter replicat KRFACC, extseqno xxxxxx, extrba xxxxx

alter replicat KRORDEV, extseqno xxxxxx, extrba xxxxx

alter replicat KROFFER, extseqno xxxxxx, extrba xxxxx

alter replicat KRKWRD, extseqno xxxxxx, extrba xxxxx

alter replicat KRSUHIST, extseqno xxxxxx, extrba xxxxx

alter replicat KRWORDER, extseqno xxxxxx, extrba xxxxx

5-Iniciar los 15 nuevos procesos de REPLICAT en OGGForBD Onmpremise.

Server: 172.22.167.14 rdp3dbadm01

User: ggatek2v

Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD

cd /u01/app/ggate\_K2V/OGGForBD/

./ggsci

GGSCI (rdp3dbadm01.dtvpan.com) 1> start KR\*

6-Check de funcionamiento y validaciones del team de K2V.

Chequear que los nuevos procesos de replicat comienzen a enviar información, para consultamos las estadísticas de los nuevos procesos.

Server: 172.22.167.14 rdp3dbadm01

User: ggatek2v

Path OGG Replicat: /u01/app/ggate\_K2V/OGGForBD

cd /u01/app/ggate\_K2V/OGGForBD/

./ggsci

GGSCI (rdp3dbadm01.dtvpan.com) 1> stats KR\* hourly

Debemos ver que se procesas operaciones.

--Rollback

En caso de ser necesario un rollback , se deben detener los procesos de replicat nuevos agregados y eliminarlos (delete replicat <NAME>) , teniendo en cuenta lo siguiente.

1-Si el rollback es porque los nuevos procesos NO enviaron operaciones, volvemos al ambiente OCI y levantamos los procesos de EXTRACT y REPLICAT tal como estaban, los mismos van a continuar desde el ultimo punto de check point que tienen registrado.

2-Si en cambio el rollback es por alguna causa ajena al OGG pero el mismo envió datos a Kafka durante el periodo que estuvieron levantados , debemos detener los procesos de replicat nuevos , ejecutar el comanod info KR\* y obtenemos la fecha y hora de la ultima operación procesada, por ejemplo:

REPLICAT RCADDRES Last Started 2020-10-03 11:56 Status RUNNING

Checkpoint Lag 00:00:00 (updated 00:00:02 ago)

Process ID 52632

Log Read Checkpoint File /u01/app/ggate\_K2V/OGGForBD/dirdat/ad000143 🡪 extseqno 143

2020-10-05 16:54:23.000179 RBA 39030552 🡪 extrba 39030552

Luego podemos eliminar los nuevos procesos de replicat.

Vamos al ambiente OCI y cuando modificamos el proceso de extract para que comienze a la hora que finalizo el proceso onpremise. Es decir:

alter extract XCARG , begin 2020-10-05 16:54:23

Luego levantamos todos los preocesos de Replicats en OCI.